Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-30 (cancelled)

Claim 31 (currently amended): An isolated polynucleotide comprising:
(a) a nucleotide sequence encoding a polypeptide having [[a]] lysyl-tRNA synthetase activity, wherein the polypeptide has an amino acid sequence ~~of the synthetase and the amino acid sequence of SEQ ID NO:10 share at least~~ of at least 90% sequence identity, based on the Clustal alignment method, when compared to SEQ ID NO:10; or
(b) a full-length complement of the nucleotide sequence of (a).

Claims 32-33 (cancelled)

Claim 34 (currently amended): The polynucleotide of claim 31, wherein the polypeptide has an amino acid sequence of ~~the synthetase and the amino acid sequence of SEQ ID NO:10 share~~ at least 95% sequence identity, based on the Clustal alignment method, when compared to SEQ ID NO:10.

Claim 35 (currently amended): The polynucleotide of claim 31, wherein the nucleotide sequence comprises ~~comprising the nucleotide sequence of~~ SEQ ID NO:9.

Claim 36 (currently amended): The polynucleotide of claim 31, wherein ~~the synthetase comprises~~ the amino acid sequence of the polypeptide comprises SEQ ID NO:10.

Claim 37 (previously presented): A chimeric gene comprising a polynucleotide of claim 31 operably linked to a regulatory sequence.

Claim 38 (previously presented): A vector comprising a polynucleotide of claim 31.

Claim 39 (previously presented): A method for transforming a cell comprising transforming a cell with a polynucleotide of claim 31.

Claim 40 (previously presented): A cell comprising a chimeric gene of claim 37.

Claim 41 (previously presented): A method for producing a plant comprising transforming a plant cell with a chimeric gene of claim 37 and regenerating a plant from the transformed plant cell.

Claim 42 (previously presented): A plant comprising a chimeric gene of claim 37.

Claim 43 (previously presented): A seed comprising a chimeric gene of claim 37.

Claims 44-66 (cancelled)